Continuing Education Courses of AALZ

Part 2—Wavelength Workshops

In cooperation with the Clinic for Dental Conservation, Periodontology and Preventive Dentistry at the University of Excellence RWTH Aachen, the Aachen Center for Laser Dentistry (AALZ) has created the first dental laser education institute in Germany. Known for its research in laser-assisted dentistry, it cooperates nationally and internationally with major research facilities.

_Since its foundation in 1991, the AALZ has been the leading worldwide specialist in dental laser education. It offers recognized and accredited trainings and helps to meet the goal of becoming a laser specialist.

_Continuing education courses

1. Introduction to Laser Dentistry
2. Laser Safety Course
3. Wavelength-Workshops
4. Mastership Course "Lasers in Dentistry"
5. Master of Science (M.Sc.) in "Lasers in Dentistry"

_Introduction to Laser Dentistry

Over the course of three hours, we inform you neutrally and objectively about how the various laser systems work and are applied. Using practical demonstrations, we show the effect that different laser systems have on various types of tissue. A therapeutic overview of the individual wavelengths aims to help participants to decide on the appropriate system for their treatment emphasis.

_Laser Safety Course

One-day course with official certification as a Laser Safety Officer (LSO).

The innovative treatment methods of laser therapy include beside all well-known and evidenced-based advantages risks for both practitioners and their teams as well as for patients if fundamental technical, biological and physical information about the application and laser safety measures are not or insufficiently known. Therefore this course is a prerequisite for practical laser use.

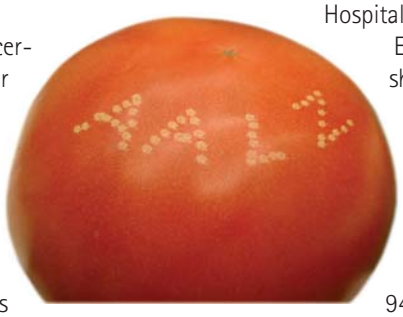
We prepare you for safely using lasers by giving you an in-depth understanding of laser physics and laser-tissue interaction. With examples, we clarify the need for safety precautions in the use of lasers in everyday dental practice. The lecturers explain statutory regulations, demonstrate their implementation in practice and describe laser application fields.

After passing the examination the participants receive the "Laser Safety Officer" certificate.

Our laser safety courses meet the requirements of the trade associations for obtaining expertise as a Laser Safety Officer. They are officially recognized according to the guidelines of BGV B2 (orientated to EN 60825-1 and ANSI Z136.1) and State Radiation Protection Office.

_Wavelength-Workshops

Two-days clinical workshop gain participants an official certificate from the RWTH Aachen University Hospital.



Each wavelength-specific workshop gives you scientific-based knowledge on possible treatments using the appropriate laser:

Solid-state lasers: Nd:YAG, Er:YAG, Er,Cr:YSGG

Gas laser: CO_2

Diode lasers: 655 nm, 810 nm, 940 nm, 980 nm

_Presentation of the indications for and use of the respective laser systems with the help of a detailed treatment plan that includes all relevant power settings
_In vitro demonstrations with models
_Live operations on patients or live video presentations
_Clinical applications and demonstrations
_Guided self-learning of treatment processes with the laser.

The workshops and laser safety courses have been designed in a way that allows you to take all courses in two or three successive days. They include extensive course materials and catering (including lunch). All courses are taught in small groups.

Next dates:
16–18 September (English)
26–28 October (German)
14–16 December (German)_



_contact laser

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EMDOLA Official Awarding Ceremony in November

author_Dajana Klöckner, Germany



_All successful graduates of the postgraduate Master of Science programme "Lasers in Dentistry" (M.Sc.) will receive their certificates of the European Master Degree of Oral Laser Application (EMDOLA) in a joint ceremony on Thursday, 26 November 2009, in the Medical Faculty of RWTH Aachen University, Germany. This is the first and unique European bestowal in Dentistry and is another highlight in the professional carrier as well as an extraordinary appreciation of the performance of all Master Alumni from RWTH Aachen University (Germany) and from the Universities of Nice (France) and Liège (Belgium). Since 2004 more than 100 dentists have already achieved this outstanding degree in Aachen only. More than 170 expected guests will be welcomed by the initiator of the first Master programme in dentistry, the scientific director from the Aachen Master of Science Professor Dr Norbert Gutknecht.

The rector of RWTH Aachen University, Prof Dr Ernst Schmachtenberg, the Dean of the Medical Faculty of RWTH Aachen University, Prof Dr Johannes Noth as well as the Rectors und Deans of the Universities of Nize and Liège will also address all attendees.

Before Prof Dr Norbert Gutknecht, Prof Dr Samir Nammour (Liège) and Prof Dr Jean-Paul Rocca (Nice) personally present their successful graduates with the certificates, they will give entertaining and fascinating insights and aspects of history and development of the master programme "Lasers in Dentistry".

Following, six graduates of excellence will present their master theses in a scientific symposium to all guests.

The solemnly ceremony with accompanying family and friends will be continued with a festive Gala Dinner in the evening. The graduates, who have not seen each other for several years and arrive to Aachen just for this ceremony will celebrate and share their experience the whole night, for sure._